

PAT-NO: JP411064484A
DOCUMENT-IDENTIFIER: JP 11064484 A
TITLE: ACTIVE RADAR AUGMENTER

PUBN-DATE: March 5, 1999

INVENTOR-INFORMATION:

NAME COUNTRY
KOGA, HIROMI

ASSIGNEE-INFORMATION:

NAME COUNTRY
NEC CORP N/A

APPL-NO: JP09218560

APPL-DATE: August 13, 1997

INT-CL (IPC): G01S007/28 , G01S007/285 , H04B007/15 , G01S013/88

ABSTRACT:

PROBLEM TO BE SOLVED: To stably operate by suppressing the emission level of radio wave below the level causing abnormal vibration caused by the radio wave emitted from the emission antenna creeping around a reception antenna.

SOLUTION: An active radar augementer loaded on an unattendant airplane is constituted of a reception and an emission antennas 2 and 5, an active augementer body 4 having an attenuator means such as a variable attenuator 46, an antenna 6 for alarm signal, etc. The signal from the reception antenna 2 is amplified in a power amplifier 42 by way of a reception part 41 and the variable attenuator 46 and output respectively to the emission antenna 5 and an RF detector 43. If the direct current voltage from the detector 43 is larger than the threshold voltage value, the attenuation quantity of the variable attenuator 46 is increased by a level controller 44 and that the emission level is suppressed is transmitted with the alarm signal antenna 6. The threshold can be made to externally set.

COPYRIGHT: (C) 1999, JPO